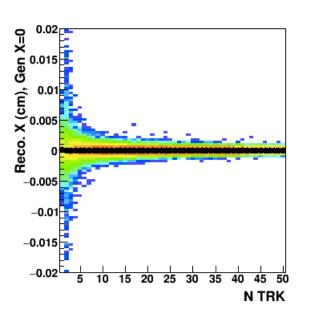
# First look on RAVE

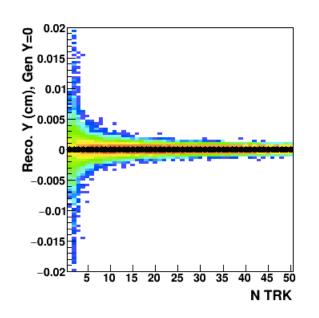
Sanghoon Lim

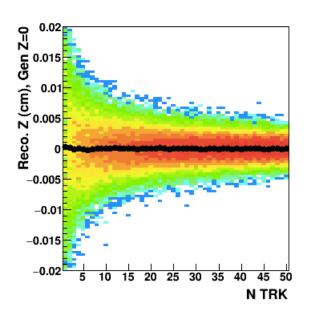
## First look on RAVE

#### Procedure

- randomly select N simulated tracks from pool
  (mu+, lηl<0.5 (flat), 1<p<sub>T</sub><40 GeV/c (flat), generated vertex (0,0,0))</li>
- tracking with PHGenFit and extract parameters at beam line (Thanks to Haiwang!)
- put tracks into the RAVE vertex finder (defaults setting) currently using self-package, but will move to GFRave
- scan N track(s) from 1 to 50, 2k events for each N track(s)



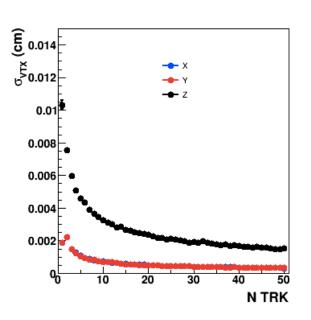


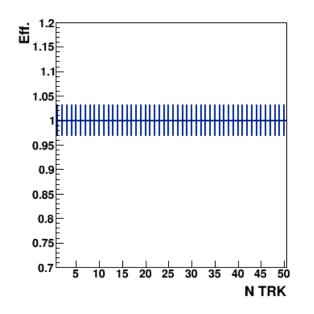


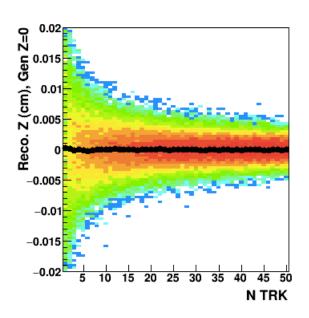
## First look on RAVE

#### Procedure

- randomly select N simulated tracks from pool
  (mu+, lηl<0.5 (flat), 1<p<sub>T</sub><40 GeV/c (flat), generated vertex (0,0,0))</li>
- tracking with PHGenFit and extract parameters at beam line (Thanks to Haiwang!)
- put tracks into the RAVE vertex finder (defaults setting) currently using self-package, but will move to GFRave
- scan N track(s) from 1 to 50, 2k events for each N track(s)







# **BACK UP**

Reco. X (N<sub>tracks</sub> bin, 1-20) 200 Reco. VTX (cm) N TRK-6 N TRK-9 N TRK-10 Reco. VTX (cm) N TRK-13 N TRK-15 N.TRK=12 N.TRK=14 100 Reco. VTX (cm) N TRK-16 N TRK-18 N TRK-19

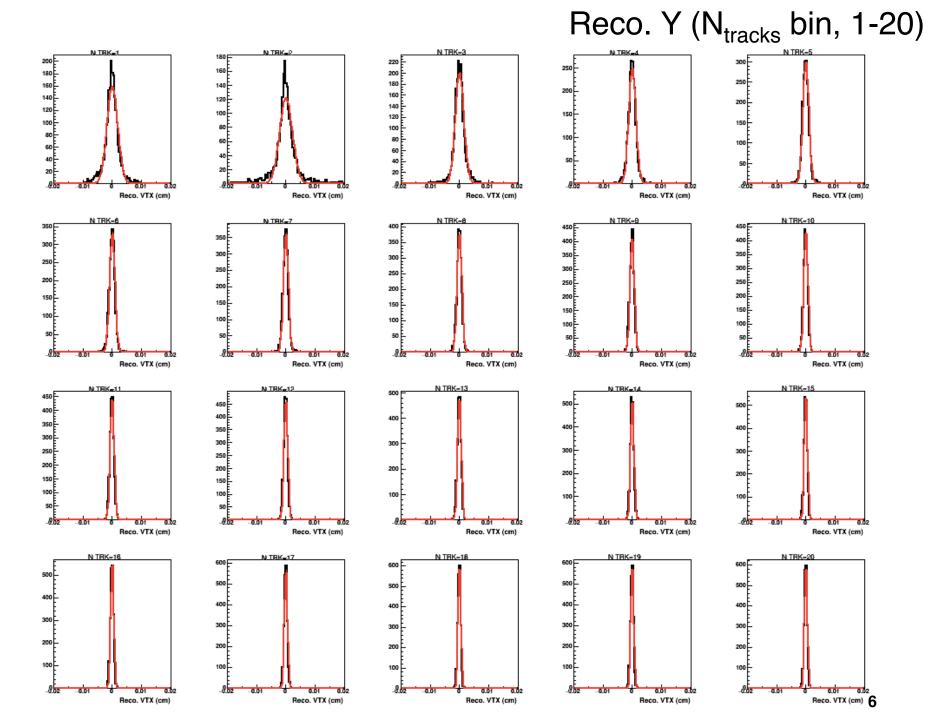
Reco. VTX (cm)

Reco. VTX (cm)

Reco. VTX (cm)

Reco. VTX (cm)

Reco. VTX (cm) 5



Reco. Z (N<sub>tracks</sub> bin, 1-20) Reco. VTX (cm) 6.01 6.00 Reco. VTX (cm) Reco. VTX (cm) Reco. VTX (cm) Reco. VTX (cm) Reco. VTX (cm)

Reco. VTX (cm)

Reco. VTX (cm)

Reco. VTX (cm)

Reco. VTX (cm)

Reco. VTX (cm)